

4703/OD8 08/973515

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)**

INTERNATIONAL APPLICATION NO.  
PCT/JP97/01173

INTERNATIONAL FILING DATE  
04 April 1997

PRIORITY DATE CLAIMED  
05 April 1996

16/05/97  
TITLE OF INVENTION

**COMPOSITE OXIDE HAVING OXYGEN ABSORBING AND DESORBING CAPABILITY AND  
METHOD FOR PREPARING THE SAME**

APPLICANT(S) FOR DO/EO/US

Hideo YOKOI; Tadatoshi MUROTA; Kazuhito FUJIWARA; Hirofumi TAKEMORI

Applicant herewith submits to the United States Designated/Elected office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S. C. 371.
3. ☒ This express request to begin national examination procedures (35 U.S.C. 371 (f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S. C. 371 (b) and PCT Articles 22 and 39 (1).
4. ☐ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☒ A copy of the International Application as filed (35 U.S. C. 371 (c) (2) )
  - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☒ has been transmitted by the International Bureau
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US)
6. ☒ A translation of the International Application in to English (35 U.S. C. 371 (c)(2)).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ have been transmitted by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c) (3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

Items 11. to 16. below concern other document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.79 and 1.98.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A FIRST preliminary amendment.  
☐ A SECOND or SUBSEQUENT preliminary amendment.
14. ☐ A substitute specification.
15. ☐ A change of power of attorney an/or address letter.
16. ☒ Other items or information. Affirmation of Priority Claim; Small Entity Statement.

**EXPRESS MAIL CERTIFICATE**

Date 12/5/97 Label No. 595861426

I hereby certify that on the date indicated above I deposited this paper or fee with the U.S. Postal Service & that it was addressed for delivery to the Commissioner of Patents & Trademarks, Washington, DC 20231 by "Express Mail Post Office to Addressee" service.

DB Peck  
Name (Print)

Beck  
Signature

U.S. APPLICATION NO. (if known sec 37: 1.50		INTERNATIONAL APPLICATION NO. CT/JP97/01173		Attorney's Docket Number 4703/0D007872	
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<p>17. <input checked="" type="checkbox"/> The following fees are submitted:</p> <p><b>Basic National Fee (37 CFR 1.492 (a)(1)-(5)):</b></p> <p>Search Report has been prepared by the EPO ..... or JPO...X..... <span style="float: right;">\$1,070.00</span></p> <p>International preliminary examination fee paid to USPTO (37 CFR 1.482) ..... <span style="float: right;">\$720.00</span></p> <p>No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445 (a) (2))... <span style="float: right;">\$790.00</span></p> <p>Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO..... <span style="float: right;">\$1,040.00</span></p> <p>International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4)..... <span style="float: right;">\$98.00</span></p> <p style="text-align: right;"><b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b></p>				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">CALCULATIONS</td> <td style="width: 50%;">PTO USE ONLY</td> </tr> <tr> <td colspan="2" style="height: 150px;"></td> </tr> </table>		CALCULATIONS	PTO USE ONLY		
CALCULATIONS	PTO USE ONLY								

Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	
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Claims	Number Filed	Number Extra	Rate		
Total Claims	16-20 =	0	0 X \$22.00	\$	
Independent Claims	1 - 3 =	0	0 X \$80.00	\$	
Multiple dependent claims(s) (if applicable) + 270				\$	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$1,070.00	

Reduction by 1/2 for filing by small entity, if applicable. Verified Small Entity statement must also be filed. (Note 37 CFR 1.9, 1.27, 1.28).				\$535.00	
<b>SUBTOTAL =</b>				\$535.00	

Processing fee of \$130.00 for furnishing the English translation later the <input type="checkbox"/> 20 <input type="checkbox"/> 39 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	
<b>TOTAL NATIONAL FEE =</b>				\$535.00	

Fee for recording the enclosed assignment (37 CFR 1.21(h)). the assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$40.00	
<b>TOTAL FEES ENCLOSED =</b>				\$575.00	

				Amount to be refunded	\$
				charged:	\$

a. ☒ A check in the amount of \$575.00 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No.04-0100 in the amount of \$ to cover the above fees.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 04-0100. A duplicate copy of this sheet is enclosed.

**NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.**

SEND ALL CORRESPONDENCE TO:

S. Peter Ludwig  
 Darby & Darby P.C.  
 805 Third Avenue  
 New York, New York 10022-7513

SIGNATURE   
 NAME: Walt Thomas Zielinski  
 REGISTRATION NO.: 18,902

62 Rec'd PCT/PTO 05 DEC 1997

08/973515

#4  
Qua  
5/14/98

EXPRESS MAIL CERTIFICATE

Date 12/5/97 Label No. Em 595861426  
I hereby certify that, on the date indicated above I  
deposited this paper or fee with the U.S. Postal Service  
and that it was addressed for delivery to the Commissioner  
of Patents & Trademarks, Washington, DC 20231 by "Express  
Mail Post Office to Addressee" service.

DB Peck DB Peck  
Name (Print) Signature

File No.: 4703/OD872

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

HIDEO YOKOI; TADATOSHI MUROTA; KAZUHITO FUJIWARA; HIROFUMI  
TAKEMORI

Serial No. : NOT YET ASSIGNED

Filed : CONCURRENTLY HEREWITH

For : COMPOSITE OXIDE HAVING OXYGEN ABSORBING AND  
DESORBING CAPABILITY AND METHOD FOR PREPARING  
THE SAME

(Corresponding to International Application No. PCT/JP97/01173,  
filed 04-April 1997)

AFFIRMATION OF PRIORITY CLAIM

Hon. Commissioner of Patents  
and Trademarks  
BOX PCT  
Washington, D.C. 20231

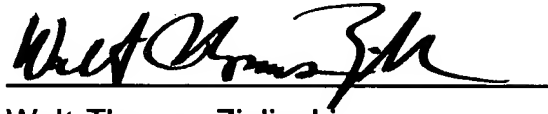
ATTN: DO/US

Sir:

Priority has been claimed on the basis of Japanese Patent Applications No.  
8-083753, filed 5 April 1996. A certified copy of the aforementioned Japanese  
patent application was received by the International Bureau on 12 May 1997,

during the pendency of International Application No. PCT/JP97/01173. The priority claim of the aforesaid Japanese patent application is hereby affirmed.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Walt Thomas Zielinski', is written over a horizontal line.

Walt Thomas Zielinski  
Reg. No. 18,902  
Attorney for Applicant(s)

Dated: December 5, 1997

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